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## Grade 7: Math

### 1.10a: Multiplying to Find Percents

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- To find percent of a number we:

1. **Multiply** the number by the percent.

2. **Divide** by a 100.

- Example:

a) Staples offers 15% discount on bundle of markers worth \$35. If Ms. Philip buys the bundle of markers from Staples how much does she save?

b) Amy scored 75% on her quiz. If the quiz was out of 20 marks, how much did she score?

c) 12.5% of 70

- Calculate.

a. 11% of 25

g. 25% of 48

b. 3% of 15

h. 36% of 10

c. 4% of 2400

i. 45% of 20

d. 7% of 23

j. 20% of 40

e. 28% of 62.5

k. 78% of 50

f. 54% of 75

l. 5% of 60

- Word Problems.

1. Samuel bought a television for \$450. If 10% tax was charged on the television, what was the tax worth in dollars.
2. A class has 125 students. If 16% of the class is boys. How many boys are there in the class?
3. A class has 125 students. If 16% of the class is boys. How many girls are there in the class?
4. Jackson has completed 37% of his task how much of it is left?
5. The Simpsons family ordered food at the diner. The bill included 15% tax charged on the original amount. What percent of the original bill did the Simpsons have to pay?
6. Katie buys a pair of jeans worth \$65 sold at 10% discount. How much money did she save?
7. Sofia is travelling to the zoo, which is 14,000m away from her house. She sleeps for 15% of the journey. For what distance was Sofia awake?
8. Frostie Flakes cereal has 17% sugar, while Choco-real cereal has 15% sugar. If Sofia has 102g of Frostie Flakes and Jack has 123g of Choco-real, who consumed more sugar?
9. Jack bought a PS4 for \$490. If 16% tax was charged on the console, what was the tax worth in dollars.
10. A group has 315 students. If 60% of the class is boys. How many boys are there in the class?
11. A class has 315 students. If 80% of the class is boys. How many girls are there in the class?
12. Jacob has completed 42.5% of his task how much of it is left?
13. An internet bill included 8% tax charged on the original amount. What percent of the original bill was paid?
14. Ms. Philip buys a cake worth \$25 sold at 4% discount. How much money did she save?
15. Katie is travelling to the zoo, which is 14,000m away from her house. She sleeps for 15% of the journey. For what distance was Sofia awake?